

Patent

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Eric W. McFarland

Customer No. 38406

Serial No.: 10/645,747

Confirmation No. 9121

Filing Date: August 20, 2003

Group No.: 1753

Examiner: Alan D. Diamond

For: APPARATUS AND METHOD FOR PHOTOVOLTAIC ENERGY  
PRODUCTION BASED ON INTERNAL CHARGE EMISSION IN A  
SOLID-STATE HERTEROSTRUCTURE

Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT UNDER RULE 1.312**

Applicant has reviewed the application and believes the following errors to be sufficient to require correction. Kindly amend the application as follows:

**IN THE SPECIFICATION**

Page 5, line 12, replace "however" with -- however,--.

Page 5, line 19, replace "band gap" with --band-gap--.

Page 5, line 22, replace "band gap" with --band-gap--.

Page 7, line 14, replace "transfer agents" with -- transfer agents, --.

Page 7, line 16, replace "molecule are" with -- molecule, are--.

Page 11, line 4, replace "photosensitive layer" with -- photosensitive layers--.

Page 13, line 18, replace "prior art U.S." with -- prior art, U.S.--.

Page 14, line 11, replace "light absorption" with -- light absorption, --.

Page 23, line 10, replace "photosensitizer layer" with --photosensitive layer--.

Page 23, line 21, replace "photosensitizer layer" with --photosensitive layer--.

Page 24, line 1, replace "imbedded" with --embedded--.

Page 25, line 17, replace "barrier height 25" with --Schottky barrier 25--.

Page 27, line 21, replace "photosensitizer 10" with --photosensitive layer 10--.

Page 28, line 2, replace "invention an" with -- invention, an--.

Page 28, line 12, replace "photosensitizer layer 10" with --photosensitive layer 10--.

Page 28, line 14, replace "comprising" with --comprised--.

Page 29, line 13, replace "photosensitizer layer 10" with --photosensitive layer 10--.

Page 29, line 19, replace "conduction energy band 38" with -- conduction band energy level 38--.

Page 31, line 12, replace "photosensitizer" with --photosensitive--.

Page 32, line 3, replace "is deposited" with -- are deposited--.

Page 33, line 5, replace "in structure" with --in a structure--.

Page 34, line 5, replace "conducting layer 31" with --front conducting layer 31--.

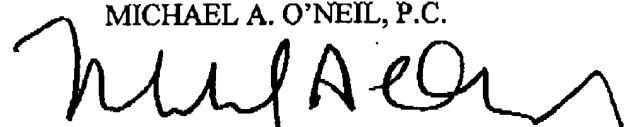
Page 34, line 9, replace "metal conductor 31" with --front conducting layer 31--.

Page 34, line 19, replace "level lower in" with -- level is lower in--.

It is believed that no fee is due. If this is incorrect, the Commissioner is hereby authorized to charge any fees which may be required by this paper to Deposit Account No. 50-0856.

Respectfully submitted,

MICHAEL A. O'NEIL, P.C.



Michael A. O'Neil  
Registration No. 23,007

Date: June 21, 2005  
5949 Sherry Lane, Suite 820  
Dallas, Texas 75225  
(214) 739-0088 (Phone)  
(214) 739-8284 (Fax)